



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Canceled)
2. (Canceled).
3. (Previously Presented) The hinge structure according to claim 20, further comprising:

a non-circular fixing portion provided at the second end of the rotation shaft and configured to fix said rotation shaft to said pivotal plate, and

a non-circular shaft-supporting portion provided in said pivotal plate and configured to receive the fixing portion of the rotation shaft.
4. (Canceled)
5. (Previously Presented) The hinge structure according to claim 20, wherein the stopper guide is fastened to said fixed plate via riveting.
6. (Previously Presented) The hinge structure according to claim 20, further comprising a washer located between an end of the braking housing and the pivotal plate to

restrict noise and abrasion.

7. (Previously Presented) The hinge structure according to claim 20, wherein said braking member is made of engineering plastic.

8. (Canceled)

9. (Previously Presented) The hinge structure according to claim 28, wherein each of said rotation shafts is fixed to each of said pivotal plates.

10. (Previously Presented) The hinge structure according to claim 28, further comprising washers provided in the contact faces between said stopper guides and said stoppers.

11. (Currently Amended) The hinge structure according to claim 28, further comprising:

a fixing portion provided at the first end of each rotation shaft, for allowing said each stopper to rotate with each rotation shaft; and

shaft-supporting portions in each stopper, wherein the shaft-supporting portions ~~is~~ are configured to receive the fixing portion.

12. (Previously Presented) The hinge end structure according to claim 28, further

comprising:

a fixing end axially extended from the first end of each of said rotation shafts; and
anti-release members each fitted around one of the fixing ends for stably
supporting the position of said each stopper.

13. (Previously Presented) The hinge structure according to claim 12, where each of
said anti-release members has a hole into which a fixing end is inserted and at least two folded
faces which are folded in an orientation of inserting said fixing end.

14. (Previously Presented) The hinge structure according to claim 28, wherein said
projection receiving groove is positioned in a pivoting range of a flat visual display device
coupled to the pivotal plates.

15. (Previously Presented) The hinge structure according to claim 28, wherein said
braking members are made of engineering plastic.

16. (Previously Presented) The hinge structure according to claim 28, wherein said
braking housings are respectively fastened to vertical fixing planes of said fixed plate.

17-19. (Canceled)

20. (Currently Amended) A hinge structure for a display device, comprising:

- a fixed plate configured to be attached to a support structure for the display device;
- a pivotal plate configured to be attached to a display device;
- a rotation shaft, wherein a first end of the rotation shaft is coupled to the fixed plate and a second end of the rotation shaft is coupled to the pivotal plate, and wherein the rotation shaft allows relative rotational movement between the fixed plate and the pivotal plate;
- a braking housing having a stopper guide that is configured to limit rotation of the pivotal plate relative to the fixed plate;
- a stopper that is fixed to the first end of the rotation shaft, wherein a projection on the stopper is received in a groove in the stopper guide of the braking housing;
- a washer located between the stopper and the braking housing, wherein the washer has a non-uniform profile with a cut-out that corresponds to the projection receiving groove of the stopper guide; and
- a cylindrical braking member located between the rotation shaft and the braking housing and that is configured to provide a frictional force that ~~tends to prevent~~ resists rotation ~~of the pivotal plate from rotating~~ with respect to the fixed plate.

21. (Previously Presented) The hinge structure according to claim 20, further comprising a plurality of housing fasteners that attach the braking housing to the fixed plate.

22-26. (Canceled)

27. (Previously Presented) A display device comprising the housing of claim 20.

28. (Currently Amended) A hinge structure for a display device, comprising:

a fixed plate configured to be attached to a supporting structure for the display device;

first and second pivotal plates configured to be attached to a display device;

first and second rotation shafts, wherein a first end of each rotation shaft is coupled to the fixed plate and wherein a second end of each rotation shaft is coupled to one of the pivotal plates, and wherein the rotation shafts allow relative rotational movement between the fixed plate and the pivotal plates;

first and second braking housings, wherein each braking housing has a stopper guide with a projection receiving groove that is configured to limit rotation of one of the pivotal plates relative to the fixed plate;

first and second washers, wherein each washer is located between one of the pivotal plates and an end of one of the braking housings;

first and second stoppers, wherein each stopper is coupled to a first end of a rotation shaft, and wherein each stopper has a projection that is received in the projection receiving groove of one of the braking housings; and

first and second cylindrical braking members, wherein each braking member is

located between a rotation shaft and a braking housing, and wherein each braking member is configured to provide a frictional force that ~~tends to prevent~~ resists rotation of a pivotal plate ~~from rotating~~ with respect to the fixed plate.

29. (Previously Presented) The hinge structure according to claim 28, further comprising a plurality of housing fasteners that attach the first and second braking housings to the fixed plate.

30-32. (Canceled)

33. (Previously Presented) The hinge structure according to claim 10, wherein the washers have a non-uniform profile with a cut-out that corresponds to the projection receiving groove of one of the stopper guides.

34. (Previously Presented) A display device comprising the hinge structure of claim 28.

35. (Currently Amended) A hinge structure for a display device, comprising:
a fixed plate configured to be attached to a support structure for the display device;
a pivotal plate configured to be attached to a display device;

a rotation shaft, wherein a first end of the rotation shaft is coupled to the fixed plate and a second end of the rotation shaft is coupled to the pivotal plate, and wherein the rotation shaft allows relative rotational movement between the fixed plate and the pivotal plate;

a cylindrical braking housing surrounding the rotation shaft and coupled to the fixed plate;

a cylindrical braking member located between the rotation shaft and the braking housing and that is configured to provide a frictional force that ~~tends to prevent~~ resists rotation of the pivotal plate ~~from rotating~~ with respect to the fixed plate; and

a washer located between the pivotal plate and an end of the braking housing.

36. (Previously Presented) The hinge structure according to claim 35, wherein the braking housing includes a stopper guide having a projection receiving groove, and further comprising a stopper that is rotationally fixed to the rotation shaft, wherein the stopper includes a projection that is received in the projection receiving groove of the stopper guide, and wherein the projection receiving groove acts to limit rotational movement of the pivotal plate relative to the fixed plate.

37. (Previously Presented) The hinge structure according to claim 36, further comprising a washer located between the stopper and the stopper guide on the braking housing.

38. (Previously Presented) The hinge structure according to claim 37, wherein the

washer has a non-uniform profile with a cut-out that corresponds to the projection receiving groove of the stopper guide.

39 (New) A hinge structure for a display device, comprising:

- a fixed plate configured to be attached to a support structure for the display device, wherein the fixed plate includes at least two housing fixing holes;

- a pivotal plate configured to be attached to a display device;

- a rotation shaft, wherein a first end of the rotation shaft is coupled to the fixed plate and a second end of the rotation shaft is coupled to the pivotal plate, and wherein the rotation shaft allows relative rotational movement between the fixed plate and the pivotal plate;

- a braking housing having a stopper guide that is configured to limit rotation of the pivotal plate relative to the fixed plate, wherein at least two housing fixing holes are formed in braking housing such that they are aligned with the housing fixing holes in the fixed plate;

- a plurality of housing fasteners, wherein the plurality of housing fasteners are inserted into the housing fixing holes on the fixed plate and the braking housing to attach the braking housing to the fixed plate; and

- a cylindrical braking member located between the rotation shaft and the braking housing and that is configured to provide a frictional force that tends to prevent the pivotal plate from rotating with respect to the fixed plate.

40. (New) The hinge structure of claim 39, wherein the housing fixing holes formed

in the braking housing are formed in the stopper guide of the braking housing.

41. (New) A hinge structure for a display device, comprising:

a fixed plate configured to be attached to a supporting structure for the display device, wherein the fixed plate includes a plurality of housing fixing holes;

first and second pivotal plates configured to be attached to a display device;

first and second rotation shafts, wherein a first end of each rotation shaft is coupled to the fixed plate and wherein a second end of each rotation shaft is coupled to one of the pivotal plates, and wherein the rotation shafts allow relative rotational movement between the fixed plate and the pivotal plates;

first and second braking housings, wherein each braking housing has a stopper guide with a projection receiving groove that is configured to limit rotation of one of the pivotal plates relative to the fixed plate, and wherein at least two housing fixing holes are formed in the first and second braking housings such that they are aligned with the housing fixing holes in the fixed plate;

a plurality of housing fasteners, wherein the plurality of housing fasteners are inserted into the housing fixing holes on the fixed plate and the first and second braking housings to attach the first and second braking housings to the fixed plate;

first and second stoppers, wherein each stopper is coupled to a first end of a rotation shaft, and wherein each stopper has a projection that is received in the projection receiving groove of one of the braking housings; and

first and second cylindrical braking members, wherein each braking member is located between a rotation shaft and a braking housing, and wherein each braking member is configured to provide a frictional force that tends to prevent a pivotal plate from rotating with respect to the fixed plate.

42. (New) The hinge structure of claim 41, wherein the housing fixing holes formed in the first and second braking housings are formed in the stopper guides of the first and second braking housings.

43. (New) A hinge structure for a display device, comprising:

- a fixed plate configured to be attached to a support structure for the display device;
- a pivotal plate configured to be attached to a display device;
- a rotation shaft, wherein a first end of the rotation shaft is coupled to the fixed plate and a second end of the rotation shaft is coupled to the pivotal plate, and wherein the rotation shaft allows relative rotational movement between the fixed plate and the pivotal plate;
- a braking housing having a stopper guide that is configured to limit rotation of the pivotal plate relative to the fixed plate;
- a washer located between an end of the braking housing and the pivotal plate to restrict noise and abrasion; and
- a cylindrical braking member located between the rotation shaft and the braking

housing and that is configured to provide a frictional force that tends to prevent the pivotal plate from rotating with respect to the fixed plate.

44. (New) A hinge structure for a display device, comprising:

a fixed plate configured to be attached to a supporting structure for the display device;

first and second pivotal plates configured to be attached to a display device;

first and second rotation shafts, wherein a first end of each rotation shaft is coupled to the fixed plate and wherein a second end of each rotation shaft is coupled to one of the pivotal plates, and wherein the rotation shafts allow relative rotational movement between the fixed plate and the pivotal plates;

first and second braking housings, wherein each braking housing has a stopper guide with a projection receiving groove that is configured to limit rotation of one of the pivotal plates relative to the fixed plate;

first and second stoppers, wherein each stopper is coupled to a first end of a rotation shaft, and wherein each stopper has a projection that is received in the projection receiving groove of one of the braking housings;

washers provided in the contact faces between said stopper guides and said stoppers, wherein the washers have a non-uniform profile with a cut-out that corresponds to the projection receiving groove of one of the stopper guides; and

first and second cylindrical braking members, wherein each braking member is

located between a rotation shaft and a braking housing, and wherein each braking member is configured to provide a frictional force that tends to prevent a pivotal plate from rotating with respect to the fixed plate.